

## **APPENDIX C**

**U.S. Patent No. 474,518 to Bishop**

(No Model.)

G. W. BISHOP, Dec'd.

S. E. BISHOP, Administratrix.

CASE FOR RIBBONS.

No. 474,518.

Patented May 10, 1892.

Fig. 1.

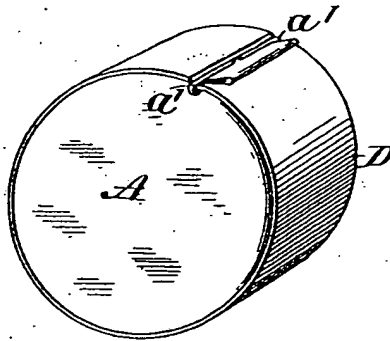


Fig. 2.

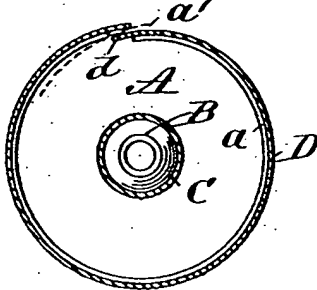


Fig. 2.

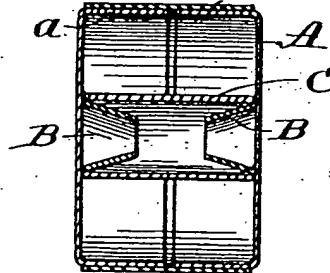
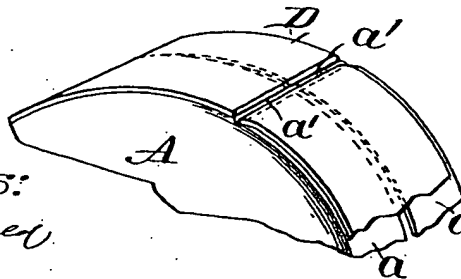


Fig. 4.



Witnesses:

J. G. Garfield  
J. F. Deming

Sarah E. Bishop  
Administratrix of  
Estate of  
Geo. W. Bishop, dec'd.  
per Charles G.  
Atty.

# UNITED STATES PATENT OFFICE.

SARAH E. BISHOP, OF SPRINGFIELD, MASSACHUSETTS, ADMINISTRATRIX OF  
GEORGE W. BISHOP, DECEASED.

## CASE FOR RIBBONS.

SPECIFICATION forming part of Letters Patent No. 474,518, dated May 10, 1892.

Application filed January 11, 1892. Serial No. 417,622. (No model.)

*To all whom it may concern:*

Be it known that I, SARAH E. BISHOP, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, administratrix of the estate of GEORGE W. BISHOP, deceased, late of Jersey City, Hudson county, and State of New Jersey, and a citizen of the United States, do hereby declare and say that said GEORGE W. BISHOP in his life-time invented new and useful Improvements in Packages or Cases for Ribbons, of which the following is a full, clear, and exact description.

This invention relates to an improved case or package for ink-ribbons. Heretofore printing-ribbons for use with canceling or dating stamps or with writing or printing machines have been prepared for sale or storage by simply folding them and covering them with metal foil or by wrapping them upon a simple spool. Ribbons packed in either of these forms must necessarily be exposed to damage, especially the outer folds or layers, and, moreover, must be handled with the fingers when being placed in position upon the machine with which they are to be used.

The device is designed to furnish a neat package for the ribbon, to completely protect it from damage, rough handling or the oxidizing effect of the atmosphere, and to serve as a holder or reel from which the ribbon may be fed to the ribbon-holder of the machine upon which it is to be used without touching it with the fingers.

The device consists of a cylindrical box closed at the ends and having inwardly-projecting lugs one from each end to serve as guides or spindles for a cylindrical bobbin or spool upon which the ribbon is wound. A slot is formed in the cylindrical case, through which the ribbon may be drawn, and which will serve as a guide to keep the ribbon straight while it is being wound upon the machine in which it is to be used.

In the accompanying drawings, Figure 1 is a view in perspective of the package complete. Fig. 2 is a transverse section in line of the axis of the case. Fig. 3 is a section taken through the axis, and Fig. 4 is a detail view showing the slot in the cylindrical case.

A A are the ends of the case, formed, pref-

erably, of strawboard, and having a struck-up cylindrical rim *a* around their edge of a depth equal to one-half the width of the completed case. Projecting inwardly from the center of the end pieces A A are conical-shaped hubs B B, projecting for a short distance toward the center of the box to form bearings for a cylindrical tube C, which, fitting loosely upon its bearings so formed, will turn freely thereon. It is upon this tube C that the ribbon is wound. A slot *a'* is cut in the rim or flange of each end piece, so that when the two are brought together there will be an opening through which the ribbon may pass out of the case. The ribbon is wound upon the tube C, which is then mounted between the end pieces A A, with the end of the ribbon projecting a short distance out through the slot *a'*. A covering-strip D of a width equal to the length of the completed box or case is then wound around over the flanges *a*, beginning at the slot *a'* and running around and projecting into the slots from the opposite side. (See Fig. 2.) This covering-strip is glued or pasted to the end pieces and holds the several parts together. The inwardly-projecting end *d* of the covering D will by its resiliency bear outward against the wall of the case formed by the flanges *a a* and exclude the air or dust, but will allow the ribbon to be drawn through. When the ribbon is placed in the case, the end which projects through the slot is covered by a piece of water-proof material, the latter being cut into a strip of the same width and folded around the end of the ribbon, and projecting inward through the case is held in place by the inwardly-projecting end *d* of the cover. In addition to the protection offered by this strip to the end of the ribbon it serves as a protection to the hands in placing the ribbon in the machine in which it is to be used.

What I claim as the invention of the late deceased is—

1. A case for ribbons, consisting of two cup-shaped or flanged head-sections arranged axially coincident, with their flange edges in proximity, each having an axial internally-extended boss, a roller having its ends formed tubular, engaging said bosses, a surrounding-strip circumferentially connected to said end

flanges, and the slot through the circumferential wall of the so-formed case, which is parallel with its axis, substantially as described.

2. A cylindrical package-case for ribbons, 5 having end-closing heads and an inclosed axially-journaled roller, a slot through the circumferential wall parallel with the axis, and a yielding lip supported by said circumferential wall for normally closing the slot, substantially as described. 10

3. A case or package for ribbons, consisting of two cup-shaped or flanged heads or sections arranged with their flange edges in proximity and both having matching slots,

substantially as described, the inwardly-projecting hubs B, the tubular roller C, and the covering-strip D, peripherally connected to and uniting said cup-sections, and having its one terminal extended within the slot to constitute the yielding lip therefor, substantially 20 as described.

SARAH E. BISHOP,  
*Administratrix of the Estate of Geo. W.  
Bishop.*

Witnesses:

WM. S. BELLOWS,  
J. D. GARFIELD.